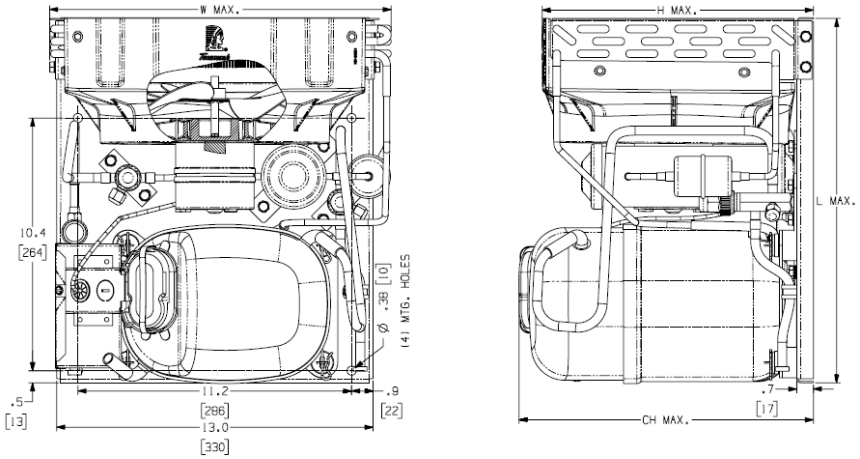
January 21, 2013
Revision: REL

Celseon® Air Cooled Condensing Unit

Model: AJA2423ZAAD*
BoM: 2G202-** **R-404a** **1/2 HP**



Model	Dimensions, inches				Line Connection*		Pumpdown	Air	Oil Ch	Gr. Wt.
	L	W	H	CH	Suction	Liquid	90 °F 90%	SCFM	Oz.	Lbs.
AJA2423ZAADA	15.0	14.0	11.1	11.7	3/8" S	1/4" S	N/A	185	26	62
AJA2423ZAADG					3/8" S	3/8" S	2.2 lbs			64
AJA2423ZAADH					3/8" S	3/8" S	N/A			62
AJA2423ZAADK					3/8" S	1/4" S				62
AJA2423ZAADC					3/8" S	3/8" S	2.2 lbs			64
AJA2423ZAADS					3/8" S	3/8" S	N/A			62
AJA2423ZAADJ					3/8" S	3/8" S	2.2 lbs			64
AJA2423ZAADP					3/8" S	3/8" S	2.2 lbs			64

* F = Flare, S = Solder, RF or RS = Rotolock with Flare or Solder Connections, C = Compression Fitting
Factory charge: 20 PSIG Nitrogen – **MUST BE EVACUATED**

		Ambient Temperatures											
Evaporator T,		80°F			90°F			100°F			110°F		
°F	PSIG	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T
-40	4.8	963	379	88	821	368	98	628	345	107	374	320	114
-35	7.5	1207	419	90	1032	409	99	831	388	108	588	365	116
-30	10.2	1461	460	92	1254	453	101	1041	434	110	804	412	118
-25	13.5	1726	504	94	1487	498	103	1260	482	112	1022	462	120
-20	16.7	2000	549	97	1732	545	105	1486	532	114	1243	515	122
-15	20.5	2284	597	99	1987	595	108	1721	584	116	1465	570	124
-10	24.3	2579	646	102	2310	646	110	1964	638	118	1690	627	127
0	33.4	3197	751	108	2820	756	116	2473	754	124	2145	750	132
5	38.7	3521	806	111	3121	814	119	2740	815	127	2376	815	135
10	43.9	3855	863	115	3432	874	122	3014	878	130	2609	882	138

60 Hz Performance

Return gas temp. 40°F, 5°F sub cooling

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Specifications/ Parts:

Unit Model	**AJA2423ZAADA**
Unit Bill of Material	**2G202-09**
Refrigeration Range	-40° F to +10° F
Design Pressure Low	181
Design Pressure High	450
Nominal Volts-Hz-Ph	115-60-1
Voltage Range	103 to 127
Min. Circuit Ampacity	10.5
Max. Fuse Size (amps)	15
Compressor Model	AJA2419ZXA
Comp. Bill of Material	AJ303AT-434-P2
Compressor RLA/LRA	8.1/68
Overload	External
Relay	820ARR3B92
Run Capacitor	85PR370E36
Run Capacitor Rating	15MFD 370V(M) VDE
Start Capacitor	85PS110A15
Start Capacitor Rating	270-324 MFD 110V
Fan Motor	810-10001
Fan Motor RLA	.38
Fan Blade	515-10002
Fan Shroud/Guard Combo	707-00004
Condenser	506-10004
Unit Drawing	DGU1971-03
Wiring Diagram	91266-02
Replacement Kit: Relay	K71-13
Replacement Kit: O/L	K90-30

Unit Model	**AJA2423ZAADG**
Unit Bill of Material	**2G202-19**
Receiver Tank	510-10000
Liquid Valve	56630
Suction Valve	56630
Unit Model	**AJA2423ZAADH**
Unit Bill of Material	**2G202-29**
Liquid Valve	56630
Suction Valve	56630
Unit Model	**AJA2423ZAADK**
Unit Bill of Material	**2G202-39**
Power Cord	85106-14
Unit Model	**AJA2423ZAADC**
Unit Bill of Material	**2G202-59**
Receiver Tank	510-10000
Liquid Valve	56630
Suction Valve	56630
Power Cord	85106-14
Unit Model	**AJA2423ZAADS**
Unit Bill of Material	**2G202-69**
Liquid Valve	56630
Suction Valve	56630
Power Cord	85106-14
Unit Model	**AJA2423ZAADJ**
Unit Bill of Material	**2G202-79**
Receiver Tank	510-10000
Liquid Valve	56630
Suction Valve	56630
Filter Drier	71116
Sight Glass	70084
Unit Model	**AJA2423ZAADP**
Unit Bill of Material	**2G202-89**
Receiver Tank	510-10000
Liquid Valve	56630
Suction Valve	56630
Power Cord	85106-14
Filter Drier	71116
Sight Glass	70084

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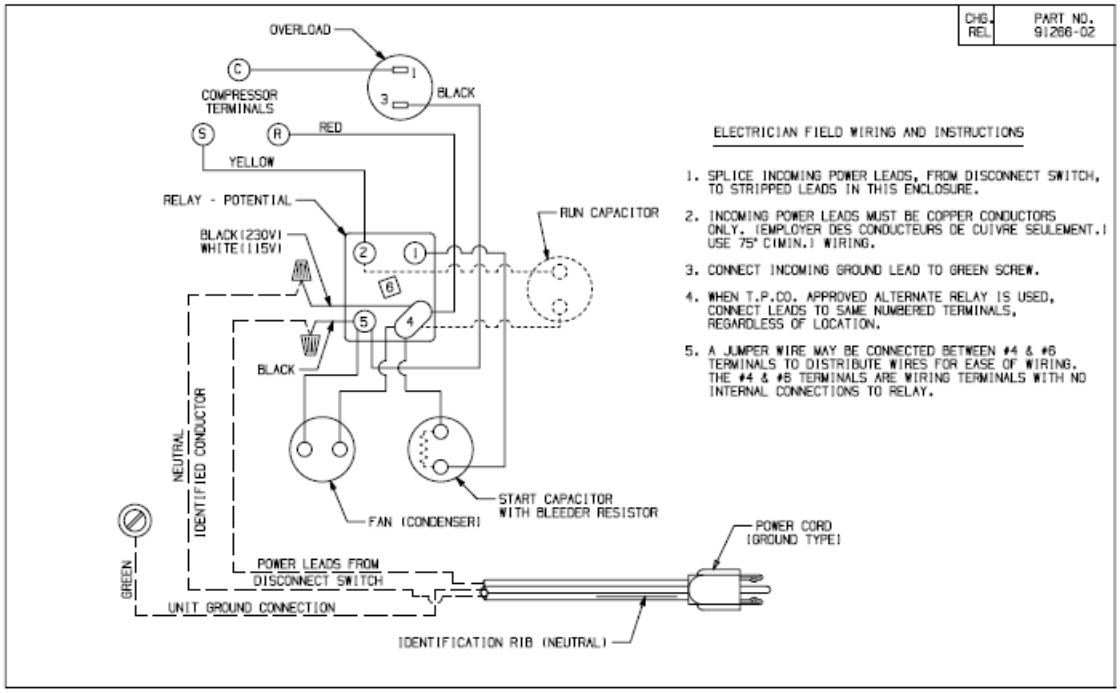
CHG. REL
PART NO. 91266-02
OVERLOAD
COMPRESSOR TERMINALS
BLACK
RED
YELLOW
RELAY - POTENTIAL
BLACK(230V) WHITE(115V)
RUN CAPACITOR
BLACK
NEUTRAL IDENTIFIED CONDUCTOR
FAN (CONDENSER)
START CAPACITOR WITH BLEEDER RESISTOR
POWER CORD (GROUND TYPE)
GREEN
POWER LEADS FROM DISCONNECT SWITCH
UNIT GROUND CONNECTION
IDENTIFICATION RIB (NEUTRAL)
ELECTRICIAN FIELD WIRING AND INSTRUCTIONS
1. SPLICE INCOMING POWER LEADS, FROM DISCONNECT SWITCH, TO STRIPPED LEADS IN THIS ENCLOSURE.
2. INCOMING POWER LEADS MUST BE COPPER CONDUCTORS ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVRE SEULEMENT.) USE 75° C(MIN.) WIRING.
3. CONNECT INCOMING GROUND LEAD TO GREEN SCREW.
4. WHEN T.P.CO. APPROVED ALTERNATE RELAY IS USED, CONNECT LEADS TO SAME NUMBERED TERMINALS, REGARDLESS OF LOCATION.
5. A JUMPER WIRE MAY BE CONNECTED BETWEEN #4 & #6 TERMINALS TO DISTRIBUTE WIRES FOR EASE OF WIRING. THE #4 & #6 TERMINALS ARE WIRING TERMINALS WITH NO INTERNAL CONNECTIONS TO RELAY.